

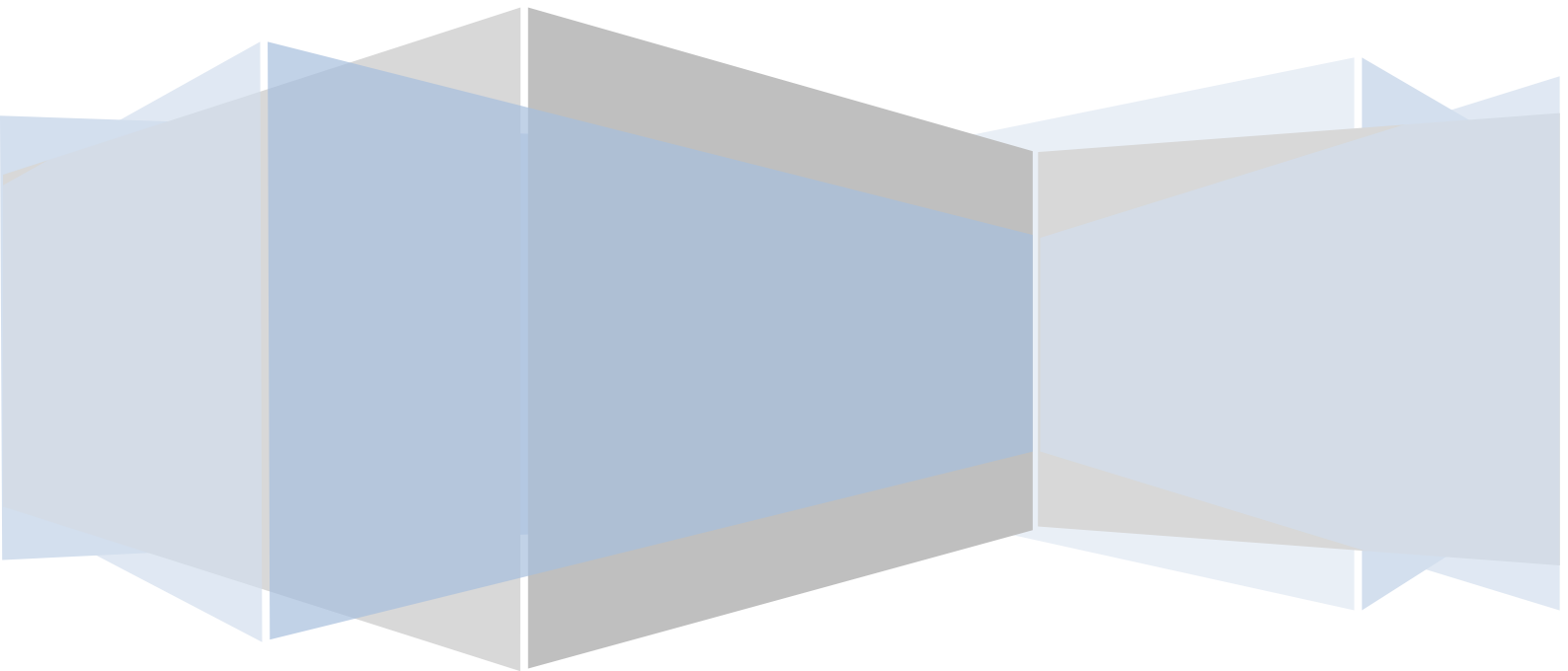
SSO Plugin

Integration for BMC BPPM

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Introduction

This document covers installation and configuration of SSO Plugin for BMC BPPM. Separate documents are available for other BMC components (ie AR System, Dashboards, Analytics).

The JSS [support website](#) contains all the SSO Plugin documentation and videos covering installation and configuration.

BPPM web interface

This document assumes the BPPM web interface is accessible via `http://host/jsp/Login.jsp` and hence example URLs are structured as such.

Your BPPM interface may be deployed elsewhere, ie `http://host/pronto/jsp/Login.jsp`, hence modify the documented URLs accordingly.

How it works

The SSO Plugin integration makes use of the SSO Plugin Authentication Service. This provides the single sign-on features of SSO Plugin without the connectors to AR System or HP Service Manager.

SSO Plugin will authenticate a user with the chosen SSO integration and pass the user into BPPM and will either map it to an existing BPPM user account, or create a temporary user with a pre-defined group.

Group mapping

If an SSO user does not have an existing account in the BPPM database, a temporary account is created and populated by groups looked up from a file called `ldap_ppm_group_mapping.xml` located in the BPPM configuration directory (typically located at `C:\Program Files\BMC Software\ProactiveNet\pw\conf`).

The file defines a mapping between SSO and BPPM groups. SSO Plugin will give all users the SSO group Operators, which should be mapped to a default BPPM group, ie BPPM Operators, BPPM Supervisors, BPPM Viewers.

If the SSO integration provides a list of groups (as SAML can do), they will also be passed into the mapping process and hence can be included in the file. The SSO Plugin Test SSO page displays associated groups.

Installing SSO Plugin for BMC BPPM

You will require the SSO Plugin Authentication Service and SSO Plugin for BMC AR System downloads from the JSS [website](#).

1. Locate the authentication-service directory within the SSO Plugin Authentication Service download package.
2. Copy the contents to the BPPM pronto web application directory, typically located at C:\Program Files\BMC Software\ProactiveNet\pw\tomcat\webapps\pronto. No files will be replaced, only added to the application.
3. In the SSO Plugin for BMC AR System download, locate the jss-sso.jar in the bppm directory. Replace the jss-sso.jar file in pronto\WEB-INF\lib with the jss-sso.jar file from the bppm directory.
4. Locate the web.xml.bppm.patch file from the SSO Plugin for AR System bppm directory. Copy it to the BPPM pronto web application WEB-INF directory, ie C:\Program Files\BMC Software\ProactiveNet\pw\tomcat\webapps\pronto\WEB-INF, and rename it web.xml.patch.
5. Locate the ldap_ppm_group_mapping.xml file in the BPPM conf directory (typically c:\Program Files\BMC Software\ProactiveNet\pw\conf), open it in your favourite text editor and add the default SSO Plugin group (Operators), ie a typical file would contain the following:

```
<properties>
  <entry key="Operators">BPPM Operators</entry>
</properties>
```

You can map Operators to any BPPM group, ie BPPM Supervisors, BPPM Viewers, etc.

6. Restart the BMC ProactiveNet Server service.
7. Navigate to the SSO Plugin interface (<http://host/jss-sso/index.jsp>), login with the default password (jss) and configure as per the SSO Plugin Configuration document. Ensure the SSO integration works by using the Test SSO facility.
8. Navigate to <http://host/jsp/swf/pNet.jsp> and you should now be logged in as the SSO user. You can still login manually by navigating to <http://host/jsp/Login.jsp>.

Enabling logging

If you need to enable logging from the Tomcat server, ie when reporting a support issue to JSS, a change must be made to the Tomcat log4j.properties file located in the Tomcat/conf directory.

Make a backup of the file, open the original in your favourite text editor, add the following and restart Tomcat:

```
log4j.logger.com.javasystemsolutions=DEBUG, CATALINA
log4j.logger.com.proactivenet=WARN, CATALINA
# Uncommenting causes all logging to stop!
#log4j.logger.com.bmc=DEBUG, CATALINA
log4j.logger.com.bmc.sms.ixscomm=DEBUG, CATALINA
log4j.logger.org.apache=WARN, CATALINA
log4j.logger.org.apach.catalinae=INFO, CATALINA
log4j.logger.org.hibernate=WARN, CATALINA
log4j.logger.org.springframework=WARN, CATALINA
log4j.rootLogger=INFO, CATALINA
```